

Analysis of the Fate of Heavy Metals in Urban Multimedia Environment

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Contamination problems of environment are getting more crucial issues due to accelerated industrialization. It is a very important and necessary task to estimate the distributions of contaminants and to recognize risk to our environment. With the fugacity method, we can analyze the contaminant of volatile organic compounds mathematically and get relatively reasonable results. However, it is difficult to analyze heavy metal problems with this method. Because vapor pressure of heavy metals is extremely small or unknown. Therefore, we use the new approach method, equivalent method, to establish a new mathematical model and to analyze the fate of the heavy metal in urban multimedia system. To verify our mathematical model, we compared modeling results with measurement data.